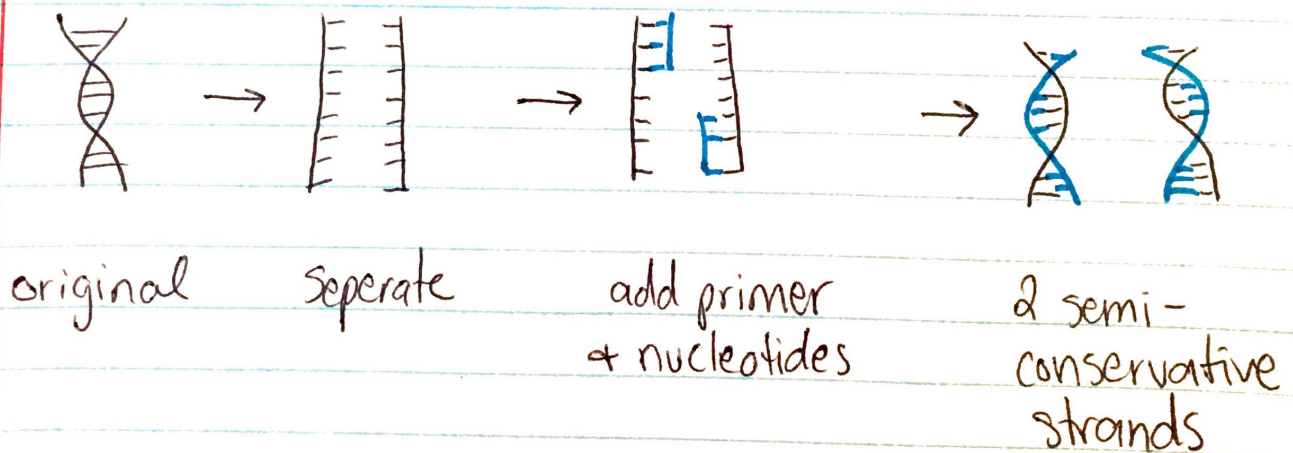


DNA Replication Notes

Steps:

- Helicase breaks hydrogen bonds to unwind DNA and forms the replication fork
- Primase adds RNA primer (starting point)
- DNA polymerase adds nucleotides to the original DNA strand (template)
- Bases are added 5' → 3' direction
leading strand - continuous
lagging strand - made fragments
- Primer is removed and fragments are sealed with ligase
- Finish with two semiconservative strands



✱ Replication occurs in the nucleus

Original : A T A G C T A G C T A G T C
T A T C G A T C G A T C A G

A \longleftrightarrow T
G \longleftrightarrow C